

FA24 LAB TRAINING SCHEDULE FOR OCTOBER 2003 THRU FEBRUARY 2004

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DATE (2003)	TIME	WHO	WHAT / EVENT	WHERE	REMARKS / REQUIRED EQUIPMENT
15 OCT	0900-1130 1330-1630	FA24 LAB TA and Contractor	PREP FOR NETWORK CABLING LAB	Greely Hall Rm 229	APPARATUS <ul style="list-style-type: none"> ➤ Category 5 cable ➤ 6 Pair cable ➤ Connectors, DB-9, DB-15, DB-25, DB-37 and RJ-45 ➤ Crimping tools for RJ-45 and DB connectors ➤ Solder and Soldering Iron ➤ Multi-Meter w/probes ➤ Penta-Scanner test set
22, 23, 24 OCT	1300-1700	FA24 SESSIONS 1-2-3	NETWORK CABLING LAB	Greely Hall Rm 229	The students will need to have access to the fixed node for the lab, as well as the necessary lab equipment that is listed under "APPARATUS" above.
28-29 OCT	0900-1130 1330-1630	FA24 LAB TA and Contractor	PREP FOR DSU / CSU LAB	Greely Hall Rm 229 & 231	APPARATUS <ul style="list-style-type: none"> ➤ 2 EA. Larscom Access-T 200 CSU/DSU and Installation and Operation Manual ➤ 2 EA. Laptop with Hyper-terminal application ➤ 1 EA. LARSCOM Telco Cross Cable ➤ 2 EA. Networking cable: EIA-530 → EIA-449 / MIL-STD-188-114 Balanced DCE Interface cable ➤ 2 EA. CISCO 2500 Series Router ➤ 2 EA Netgear 4 port hub ➤ 1 EA. Lab Network Diagram
3,4,5 NOV	1300-1700	FA24 SESSIONS 1-2-3	DSU / CSU LAB	Greely Hall Rm 229 & 231	The students will need to have access to the Demo bay area for the lab, as well as the necessary lab equipment that is listed under "APPARATUS" above.

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12-14 NOV	0900-1130 1330-1630	FA24 LAB TA and Contractor	PREP FOR PBX and the ATM LAB	FGBCBL	APPARATUS <ul style="list-style-type: none"> ➤ LUCENT Prologix PBX and a PC terminal for system administration. ➤ Special cables <ul style="list-style-type: none"> ○ P1/P2 9-pin F to RS-232 M adapter cable ○ DB25 F/F Gender Changer ○ 50 ft ED-IE434-11 GR 311 electrical cable ○ RS-232 J3 Term cable
17, 18, 19 NOV	1300-1700	FA24 SESSIONS 1-2-3	PBX LAB	FGBCBL	The students will need to have access to the Demo bay area for the lab, as well as the necessary lab equipment that is listed under "APPARATUS" above.
24-26 NOV	0900-1130 1330-1630	FA24 LAB TA and Contractor	PREP FOR ATM LAB	FGBCBL	APPARATUS <ul style="list-style-type: none"> ➤ Cisco LightStream 1010 ATM Switch ➤ Cisco 7505 Router ➤ Cisco 7206 Router ➤ Ethernet Hubs (2 ea.) ➤ PC Workstations (4 ea.) ➤ Laptop computer (1 ea.) ➤ Necessary networking cables (Fiber Optic & Ethernet cables)
1,2,3 DEC	1300-1700	FA24 SESSIONS 1-2-3	ATM LAB	FGBCBL	The students will need to have access to the Demo bay area for the lab, as well as the necessary lab equipment that is listed under "APPARATUS" above.

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4-5 DEC	0900-1130 1330-1630	FA24 LAB TA and Contractor	PREP FOR VoIP LAB	Greely Hall Rm 229 & 231	APPARATUS <ul style="list-style-type: none"> ➤ 2 ea. Cisco 2514 Router ➤ 2 ea. Cisco 3640 VoIP Router ➤ 2 ea. CSU/DSU ➤ 4 ea. PCs running Microsoft NetMeeting ➤ 6 ea. Analog telephones ➤ Network cables (2 ea. RS530 DTE cables; 8 ea. Ethernet Strait cables; 1 ea. Telco Cross Cable) ➤ 2 ea. Ethernet Hubs ➤ 2 ea. Ethernet Transceivers
8,9,10 DEC	1300-1700	FA24 SESSIONS 1-2-3	VoIP LAB	Greely Hall Rm 229 & 231	The students will need to have access to the Demo bay area for the lab, as well as the necessary lab equipment that is listed under "APPARATUS" above.
15-18 DEC	0900-1130 1330-1630	FA24 LAB TA and Contractor	PREP FOR COMSEC LABS #1 + 2	FGBCBL	APPARATUS <ul style="list-style-type: none"> ➤ 2 ea. Cisco 2514 Router ➤ 2 ea. TACLANES ➤ Special Cables ➤ TIA ➤ STU III w/CIK and DTD cable ➤ STE w/FORTEZZA and DTD cable ➤ KYK-13 ➤ KOI-18 ➤ KYX-15A ➤ AN/CYZ-10(V)3 ➤ Fill cable ➤ RT 1535 ➤ NSA produced, unclassified test key tape ➤ Two active telephone lines
23, 26 JAN	1300-1700	FA24 SESSION 1, 2	COMSEC LAB #1	FGBCBL	The students will need to have access to the Demo bay area for the lab, as well as the necessary lab equipment that is listed under "APPARATUS" above.

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12-15 JAN	0900-1130 1330-1630	FA24 LAB TA and Contractor	PREP FOR COMSEC LAB #2	FGBCBL	APPARATUS <ul style="list-style-type: none"> ➤ Larscom Access-T 200 DSU/CSU and Installation and Operation Manual ➤ TTC Fireberd 6000 Communications Analyzer and User's Guide. ➤ Laptop with Hyper-terminal application ➤ LARSCOM Telco Cross Cable ➤ Networking cable: EIA-530 → EIA-449 / MIL-STD-188-114 Balanced DCE Interface cable ➤ 2 ea. Patch Panels (RED and BLACK) ➤ Error Insertion Device ➤ AN/CYZ-10(V)3 ➤ Fill cable ➤ 2 ea. Cisco 2514 Router ➤ 1 ea. Cisco 7206 Router ➤ 1 ea. Ethernet Hub ➤ 2 ea. TACLANES ➤ Special Cables ➤ TIA
27, 29 JAN	1300-1700	FA24 SESSION 1, 2	COMSEC LAB #2	FGBCBL	The students will need to have access to the Demo bay area for the lab, as well as the necessary lab equipment that is listed under "APPARATUS" above.

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17-18 FEB	0900-1130 1330-1630	FA24 LAB TA and Contractor	PREP FOR CAPSTONE LAB	FGBCBL	APPARATUS <u>ALL EQUIPMENT THAT YOU HAVE BEEN TRAINED ON AND USED IN THE PREVIOUS LAB SESSIONS.</u>
19-20 FEB	0800-1800	FA24 LAB TA, Contractor, BCBL(G) support engineers and Tactical Signal soldiers.	PREP FOR CAPSTONE LAB ** <u>SWITCHEX</u> **	BCBL(G) Demo Bay area and area around the BCBL(G)	We will conduct a SWITCHEX to verify connectivity between the legacy communications equipment / systems and the WIN components that will be installed in the Demo bay area. This will include integrating the TIA and TACLANE systems into the architecture to facilitate tactical to commercial phone services and data transmissions. This will be the time when we will need " <u>on-call</u> " BCBL(G) engineering support to assist us with the TIA / TACLANE integration, <u>if we have unforeseen problems with the systems.</u>
24 FEB	TBD	FA24 STUDENTS AND CADRE	INFORMAL CAPSTONE SYSTEMS ARCHITECTURE / NETWORK DESIGN BRIEF	FA24 Classroom TBD	FA24 Students will present / brief their systems architecture design for satisfying the CAPSTONE LAB subscriber Information Exchange Requirements (IERs) to the FA24 CADRE. They will outline the strategy they will employ to install, operate and maintain the required communication systems for the CAPSTONE LAB and will identify any questions or issues that they have concerning the lab.
25-27 FEB	0800- COMP	FA24 LAB TA, Contractor, BCBL(G) support engineers and Tactical Signal soldiers.	** <u>FA24 CAPSTONE LAB</u> **	BCBL(G) Demo Bay area and area around the BCBL(G)	FA24 STUDENTS WILL INSTALL, OPERATE AND MAINTAIN THE CAPSTONE LAB NETWORK IAW THE APPROVED NETWORK DESIGN ARCHITECTURE THEY BRIEFED TO THE FA24 CADRE.
27 FEB	O/O	FA24 CADRE	VERIFY ALL FA24 REQUIRED COMMUNICATIONS SERVICES	BCBL(G) Demo Bay area and area around the BCBL(G)	<i>FA24 CADRE will verify all required communication services that have been installed by the students to satisfy the CAPSTONE LAB subscriber service requirements.</i>